

IN THE CLAIMS

Please amend the claims as shown below. This listing of claims will replace all prior versions and listings of claims in the Application.

1. (Currently Amended) In an electronic device having a display and a processor, a method for providing contrast adjustment for said display comprising:
 - a) receiving a contrast setting that is user defined via a software graphical user interface, wherein said graphical user interface comprises an interactive slide bar and wherein said electronic device comprises a portable hand held computer system;
 - b) generating signals representative of an ambient temperature of an environment of said display over time, said ambient temperature characterizing said environment;
 - c) sampling said signals and converting said signals into current temperature values;
 - d) based on said contrast setting and said current temperature values, computing a first contrast adjustment voltage signal for maintaining said contrast setting, wherein said ~~steps~~ c) and d) are performed by said processor; ~~and~~
 - e) automatically adjusting contrast of said display by applying said first contrast adjustment voltage signal to said display; and
 - f) repeating said b) - e), for a second contrast adjustment, wherein a second contrast adjustment voltage signal is computed and wherein said e) further comprises summing said second contrast adjustment voltage signal and said first contrast adjustment voltage signal.

2. (Cancelled)

3. (Previously Presented) The method as recited in Claim 1 wherein said b) comprises using a temperature sensitive diode circuit to generate a voltage signal based on said ambient temperature.

4. (Previously Presented) The method as recited in Claim 3 wherein said b) further comprises using an analog to digital converter to convert said voltage signal into a digital value.

5. (Previously Presented) The method as recited in Claim 1 wherein said d) comprises indexing a look-up table with said contrast setting and said current temperature values to compute said contrast adjustment voltage signal.

6. (Previously Presented) The method as recited in Claim 1 wherein said step d) comprises inputting said contrast setting and said current temperature values to a formula to compute said contrast adjustment voltage signal.

7. (Previously Presented) The method as recited in Claim 1 wherein said display comprises a liquid crystal display (LCD) display screen.

8-9. (Cancelled)

10. (Currently Amended) A portable, hand held ~~An~~ electronic computing device comprising:

a processor coupled to a bus;

a display coupled to said bus and responsive to a contrast adjustment signal;

a temperature sensing circuit coupled to said bus for generating signals representative of an ambient temperature of an environment of said display over

time, said ambient temperature characterizing said environment, and wherein said processor automatically compensates display contrast based on said ambient temperature by performing a process comprising:

a) receiving a contrast setting that is user defined via a software graphical user interface, wherein said graphical user interface comprises an interactive slide bar;

b) sampling said signals and converting said signals into current temperature values;

c) based on said contrast setting and said current temperature values, computing a first contrast adjustment voltage signal for maintaining said contrast setting; and

d) automatically adjusting contrast of said display by applying said first contrast adjustment voltage signal to said display; and

e) repeating said b) - d), for a second contrast adjustment, wherein a second contrast adjustment voltage signal is computed and wherein said e) further comprises summing said second contrast adjustment voltage signal and said first contrast adjustment voltage signal.

11. (Currently Amended) The device as recited ~~described~~ in Claim 10 wherein said temperature sensing circuit comprises:

a temperature sensitive diode circuit for generating a voltage signal based on said ambient temperature; and

an analog to digital converter to convert said voltage signal into a digital value.

12. (Currently Amended) The ~~A~~ device as recited ~~described~~ in Claim 10 wherein said c) comprises indexing a look-up table with said contrast setting and said current temperature values to compute said contrast adjustment voltage signal.

13. (Currently Amended) The device as recited ~~described~~ in Claim 10 wherein said c) comprises inputting said contrast setting and said current temperature values to a formula to compute said contrast adjustment voltage signal.

14. (Currently Amended) The device as recited ~~described~~ in Claim 10 wherein said display screen comprises a liquid crystal display (LCD) display screen ~~and wherein said electronic device is a portable hand held computer system.~~

15. (Canceled)

16. (Currently Amended) A portable hand held ~~palm-top~~ computer system comprising:

a processor coupled to a bus;

a flat panel display coupled to said bus and responsive to a contrast adjustment signal;

a temperature sensitive diode circuit for generating signals representative of an ambient temperature of an environment of said display over time, said ambient temperature characterizing said environment, ~~and~~ wherein said processor automatically compensates display contrast based on said ambient temperature by performing a process comprising:

a) receiving a contrast setting that is user defined via an interactive slide bar of a software graphical user interface displayed on said display;

b) sampling said signals and converting said signals into current temperature values;

c) based on said contrast setting and said current temperature values,

computing a first contrast adjustment voltage signal for maintaining said contrast setting; and

d) automatically adjusting contrast of said display by applying said first contrast adjustment voltage signal to said display; and

e) repeating said b) - d), for a second contrast adjustment, wherein a second contrast adjustment voltage signal is computed and wherein said e) further comprises summing said second contrast adjustment voltage signal and said first contrast adjustment voltage signal.

17. (Currently Amended) The portable hand held computer system as recited ~~described~~ in Claim 16 further comprising an analog to digital converter to convert said signals from said temperature sensitive diode circuit into digital values.

18. (Currently Amended) The portable hand held computer system as recited ~~described~~ in Claim 16 wherein said c) comprises indexing a look-up table with said contrast setting and said current temperature values to compute said contrast adjustment voltage signal.

19. (Currently Amended) The portable hand held computer system as recited ~~described~~ in Claim 16 wherein said c) comprises inputting said contrast setting and said current temperature values to a formula to compute said contrast adjustment voltage signal.

20. (Currently Amended) The portable hand held computer system as recited ~~described~~ in Claim 16 wherein said display screen comprises a liquid crystal display (LCD) display screen and ~~wherein said electronic device comprises a portable hand-held computer system.~~